



IFW
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to, Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 6, 2004.

Trudi Thompson
Trudi Thompson

Applicant	:	Absar Ahmad, et al.	Confirmation No. 4671
Application No.	:	10/807,992	
Filed	:	March 23, 2004	
Title	:	BIOLOGICAL PROCESS FOR THE PREPARATION OF MINERAL CRYSTALS USING SEEDS	
Grp./Div.	:	1754	
Examiner	:	Unassigned	
Docket No.	:	52164/CAB/K375	
Customer No.	:	23363	

INFORMATION DISCLOSURE STATEMENT
37 CFR § 1.97(b)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Post Office Box 7068
Pasadena, CA 91109-7068
July 6, 2004

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent

Application No. 10/807,992

issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Respectfully submitted,
CHRISTIE, PARKER & HALE, LLP

By Cynthia A. Bonner
Cynthia A. Bonner
Reg. No. 44,548
626/795-9900

CAB/tt

Enclosures: PTO/SB/08A/B, w/references
TXT IRV1078156.1-* 07/6/04 8:51 AM

<p>FORM PTO/SB/08A/B (10-07) Substitute for PTO-1449A/B</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>	Attorney Docket Number	52164/CAB/K375
	Application Number	10/807,992
	Filing Date	March 23, 2004
	Applicant(s)	Absar Ahmad, et al.
	Group Art Unit	1754
	Examiner Name	Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
		US 6,325,987 B1	12.04.2001	Sapieszko et al.
		US 6,383,282 B1	05.07.2002	Chaiko
		US 6,416,682 B1	07.09.2002	Krijgsman et al.
		US 6,568,537 B1	05.27.2003	Schelkunov et al.

OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		MANN et al., "Synthesis of Inorganic Materials With Complex Form," Nature, Vol. 382, 25 July 1996, pp. 313-318.
		UZGIRIS et al., "Two-Dimensional Crystallization Technique for Imaging Macromolecules, With Application to Antigen-Antibody-Complement Complexes," Nature, Vol. 301, 13 January 1983, pp. 125-129.
		AHLERS, et al., "Specific Recognition and Formation of Two-Dimensional Streptavidin Domains In Monolayers: Applications to Molecular Devices", Thin Solid Films, 180, 1989, pp. 93-99.
		LANDAU et al., "Transfer of Structural Information from Langmuir Monolayers to Three-Dimensional Growing Crystals", Nature, Vol. 318, 28 November 1985, pp. 353-356.
		MANN et al., "Controlled Crystallization of CaCO ₃ Under Stearic Acid Monolayers," Nature, Vol. 334, 25 August 1988, pp. 692-695.
		MANN, STEPHEN, "Molecular Recognition in Biomineralization," Nature, Vol. 332, 10 March 1988, pp. 119-124.
		AIZENBERG et al., "Oriented Growth of Calcite Controlled by Self-Assembled Monolayers of Functionalized Alkanethiols Supported on Gold and Silver," J. Am. Chem. Soc., 1999, pp. 4500-4509.
		KUTHER et al., "Templated Crystallisation of Calcium and Strontium Carbonates on Centred Rectangular Self-Assembled Monolayer Substrates," Chem. Eur. J., 1998, 4, No. 9, pp. 1834-1842.
		TRAVAILLE et al., "Aligned Growth of Calcite Crystals On a Self-Assembled Monolayer," Adv. Mater., 2002, 14, No. 7, April 4, 2002, pp. 492-495.
		DONNERS et al., "A Shape-Persistent Polymeric Crystallization Template for CaCO ₃ ," J. Am. Chem. Soc., 2002, 124, pp. 9700-9701.

TXT IRV1078155.1-*07/6/04 8:57 AM

EXAMINER SIGNATURE	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.